

## Claims

1. A recording device control apparatus that successively receives transfer requests and controls transfer of data relating to the transfer requests to and from a recording device, each transfer request including (i) area information that shows an area that is a transfer destination or a transfer source in the recording device and (ii) type information for specifying a transfer data type, the recording device control apparatus comprising:

a reception unit operable to receive the transfer requests;  
a transfer request specification unit operable to perform transfer criterion judgment processing and same-area judgment processing with respect to each of specification target requests which are received transfer requests whose related data has not been transferred, and, when a targeted transfer request fulfills a condition of a negative judgment result in both of the processing, specify the related data of the targeted transfer request as a transfer target,

the transfer criterion judgment processing being for judging whether or not the targeted transfer request is a transfer-withhold target, based on a predetermined transfer criterion that defines a transfer order for the targeted transfer request and one or more transfer requests having different type information to the targeted transfer request, and

the same-area judgment processing being for judging whether or not a transfer request that has area information identical to area information included in the targeted transfer request was received before the targeted transfer request was received; and

a transfer unit operable to transfer the data specified by the transfer request specification unit.

2. The recording device control apparatus of Claim 1, wherein  
5 the recording device control apparatus has, in the recording device, a management area for storing management information that is for managing data locations in the recording device,

the transfer request specification unit further performs request judgment processing which is for, when the targeted transfer  
10 request is a transfer request with respect to the management area, judging whether or not a transfer request having identical type information to the targeted transfer request was received before the targeted transfer request was received, and

when the targeted transfer request fulfills the condition and,  
15 in addition, a judgment result of the request judgment processing is negative, the transfer request specification unit specifies transfer data relating to the transfer request as data to be transferred.

20 3. The recording device control unit of Claim 2, wherein  
the transfer request specification unit further performs  
specification exclusion processing when the targeted transfer request,  
having fulfilled the condition and the judgment result of the request  
judgment processing being negative, is with respect to management  
25 information, and, in addition, when a transfer request that has not  
been transferred and is with respect to the management area was received  
after the targeted transfer request was received, the specification  
exclusion processing being for excluding the targeted transfer request

from being a specification target request without specifying the targeted transfer request as a transfer target.

4. The recording device control apparatus of Claim 3, wherein  
5 the reception unit further receives an omission instruction that instructs that transfer of redundant management information is to be omitted, and

the transfer request specification unit performs the specification exclusion processing only when the reception unit has  
10 received the omission instruction.

5. The recording device control unit of Claim 1, wherein  
the predetermined criterion is predetermined priority levels that show a transfer order for transfer data according to the type  
15 information, and

the transfer criterion judgment processing is for judging that the targeted transfer request is a transfer-withhold target when a priority level of a transfer request that includes different type information to the type information of the processing-target transfer  
20 request is higher than the priority level of the processing-target transfer request.

6. A recording device control method for successively receiving transfer requests and controlling transfer of data relating to the  
25 transfer requests to and from a recording device, each transfer request including (i) area information that shows an area that is a transfer destination or a transfer source in the recording device and (ii) type information for specifying a transfer data type, the recording

device control method comprising:

a reception step of receiving the transfer requests;

a transfer request specification step of performing transfer  
criterion judgment processing and same-area judgment processing with  
5 respect to each of specification target requests which are received  
transfer requests whose related data has not been transferred, and,  
when a targeted transfer request fulfills a condition of a negative  
judgment result in both of the processing, specifying the related  
data of the targeted transfer request as a transfer target,

10 the transfer criterion judgment processing being for judging  
whether or not the targeted transfer request is a transfer-withhold  
target, based on a predetermined transfer criterion that defines  
a transfer order for the targeted transfer request and one or more  
transfer requests having different type information to the targeted  
15 transfer request, and

the same-area judgment processing being for judging whether  
or not a transfer request that has area information identical to  
area information included in the targeted transfer request was  
received before the targeted transfer request was received; and

20 a transfer step of transferring the data specified by the  
transfer request specification unit.

7. A computer program for causing an apparatus that has a CPU  
to control transfer of data relating to transfer requests with respect  
25 to a recording device, the computer program comprising:

a reception step of receiving the transfer requests;

a transfer request specification step of performing transfer  
criterion judgment processing and same-area judgment processing with

respect to each of specification target requests which are received  
transfer requests whose related data has not been transferred, and,  
when a targeted transfer request fulfills a condition of a negative  
judgment result in both of the processing, specifying the related  
5 data of the targeted transfer request as a transfer target,

the transfer criterion judgment processing being for judging  
whether or not the targeted transfer request is a transfer-withhold  
target, based on a predetermined transfer criterion that defines  
a transfer order for the targeted transfer request and one or more  
10 transfer requests having different type information to the targeted  
transfer request, and

the same-area judgment processing being for judging whether  
or not a transfer request that has area information identical to  
area information included in the targeted transfer request was  
15 received before the targeted transfer request was received; and  
a transfer step of transferring the data specified by the transfer  
request specification unit.